

**Racine Water and
Wastewater Utilities**

Keith E. Haas, P.E.
General Manager



Michael L. Gitter, P.E.
Chief of Operations
Kenneth M. Scolaro, C.P.A.
Administrative Manager
Chad W. Regalia, P.E.
Chief Engineer

November 13, 2020

Board of Waterworks Commissioners:

Mayor Cory Mason
Alder John Tate II
Terry McCarthy
Kathleen DeMatthew
Stacy Sheppard
Alder Natalia Taft
Kathleen Fischer
James Spangenberg

SUBJECT: Change Order No. 4 – Contract W-19-11 – 48-inch Perry to Newman Transmission Water Main

Dear Commissioners:

Submitted for your review and approval is Change Order No. 4 on Contract W-19-11, 48-inch Perry to Newman Transmission Water Main, S.J. Louis Construction (contractor) in the amount of \$626,000. This change order is for nine air vacuum units.

The original contract amount was \$ 14,234,000.00. Previous change orders increased construction cost to \$ 14,996,931.50. Approval of Change Order No. 4 would increase the construction cost to \$ 15,622,931.50. These change orders reflect an increase of 9.30% on the original contract amount.

Sincerely,

A handwritten signature in black ink, appearing to be "KEH", is written over the word "Sincerely,".

Keith E. Haas
General Manager

KH/eg

Date of Issuance: November 12, 2020

Effective

Upon Signature of Owner

Owner:

Racine Water & Waste
Water Utility

Contract: 48-inch Perry to Newman Transmission Water Main

Owner's Contract No.:

W-19-11

Contractor: S.J. Louis Construction

Engineer:

Ruekert & Mielke, Inc.

Address: 1351 Broadway Street W.

Engineer's Project No.:

8022-10030.301

Rockville, MN 56369

Effective Date of Contract: July 15, 2019

The Contract is modified as follows upon execution of this Change Order:

Description: Addition of 9 air vacuum units at high points in the water system.

Reason for Change Order: The addition of the units is needed to avoid pipe collapse in the event of a water main break.

Attachments: (List documents supporting change) Correspondence dated September 8, 2020

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price \$ <u>14,234,000.00</u>	Original Contract Times: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Increase from previously approved Change Orders No. <u>1</u> to No. <u>3</u> : \$ <u>762,931.50</u>	● Increase ● ● Decrease ● from previously approved Change Orders No. ____ to No. ____: Substantial Completion: _____ Ready for Final Payment: _____ days
Contract Price prior to this Change Order: \$ <u>14,996,931.50</u>	Contract Times prior to this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Increase of this Change Order: \$ <u>626,000.00</u>	● Increase ● ● Decrease ● of this Change Order: Substantial Completion: _____ Ready for Final Payment: _____ days or dates
Contract Price incorporating this Change Order: \$ <u>15,622,931.50</u>	Contract Times with all approved Change Orders: Substantial Completion: _____ Ready for Final Payment: _____ days or dates

RECOMMENDED:

ACCEPTED:

ACCEPTED:

Signature: 
Engineer (Authorized Signature)Signature: _____
Owner (Authorized Signature)Signature: _____
Contractor (Authorized Signature)Date: 11/12/2020

Date: _____

Date: _____

September 8, 2020

Mr. Kenneth Ward, P.E.
Ruekert & Mielke, Inc
W233 N2080 Ridgeview Parkway
Waukesha, WI 53188



RE: Racine, WI – Spring Street Transmission Water Main – Perry to Newman
Change Order Request – COR 05 - Air Release Assembly

Dear Ken,

Please consider this letter as a Change Order Request for an adjustment of Contract Price & Time in accordance with Article 11 of the Standard General Conditions. SJ Louis is requesting \$626,000.00 for the labor, equipment & material to install nine (9) Air Vacuum Assemblies per the details supplied by Ruekert & Mielke. SJ Louis anticipates twenty-three (23) working days to complete the installation of the Air Vacuum Assemblies. However, SJ Louis requests an equitable extension of Contract Time for procurement and delivery of materials incorporated in this change. SJ Louis' supplier has stated the Air Valves are approximately 20-34 weeks from approved submittal.

Item	Description	Quantity	Unit	Unit Cost	Extended Cost
1	10" Air Vacuum Assembly - Sta 427+00	1.00	LS	\$58,000.00	\$ 58,000.00
2	14" Air Vacuum Assembly - Sta 441+50	1.00	LS	\$81,000.00	\$ 81,000.00
3	14" Air Vacuum Assembly - Sta 460+00	1.00	LS	\$73,000.00	\$ 73,000.00
4	12" Air Vacuum Assembly - Sta 519+55	1.00	LS	\$68,000.00	\$ 68,000.00
5	14" Air Vacuum Assembly - Sta 709+00	1.00	LS	\$74,000.00	\$ 74,000.00
6	12" Air Vacuum Assembly - Sta 2807+40	1.00	LS	\$68,000.00	\$ 68,000.00
7	12" Air Vacuum Assembly - Sta 2448+00	1.00	LS	\$68,000.00	\$ 68,000.00
8	12" Air Vacuum Assembly - Sta 2459+70	1.00	LS	\$68,000.00	\$ 68,000.00
9	12" Air Vacuum Assembly - Sta 2500+80	1.00	LS	\$68,000.00	\$ 68,000.00
TOTAL:					\$ 626,000.00

If you have any questions or concerns, please feel free to contact me at 320-249-0226 or chrisb@sjlouis.com. Please let me know if you would also like to meet and discuss this change order request.

Sincerely,

Chris Burmeister
Project Manager
Office: (320) 253-9291 Ext. 375
Cell: (320) 249-0226

Email: ChrisB@SJLouis.com

Enclosures: Airvac Schedule – RM Supplied
 Airvac Detail – RM Supplied
CC: Bob Schueller, SJ Louis

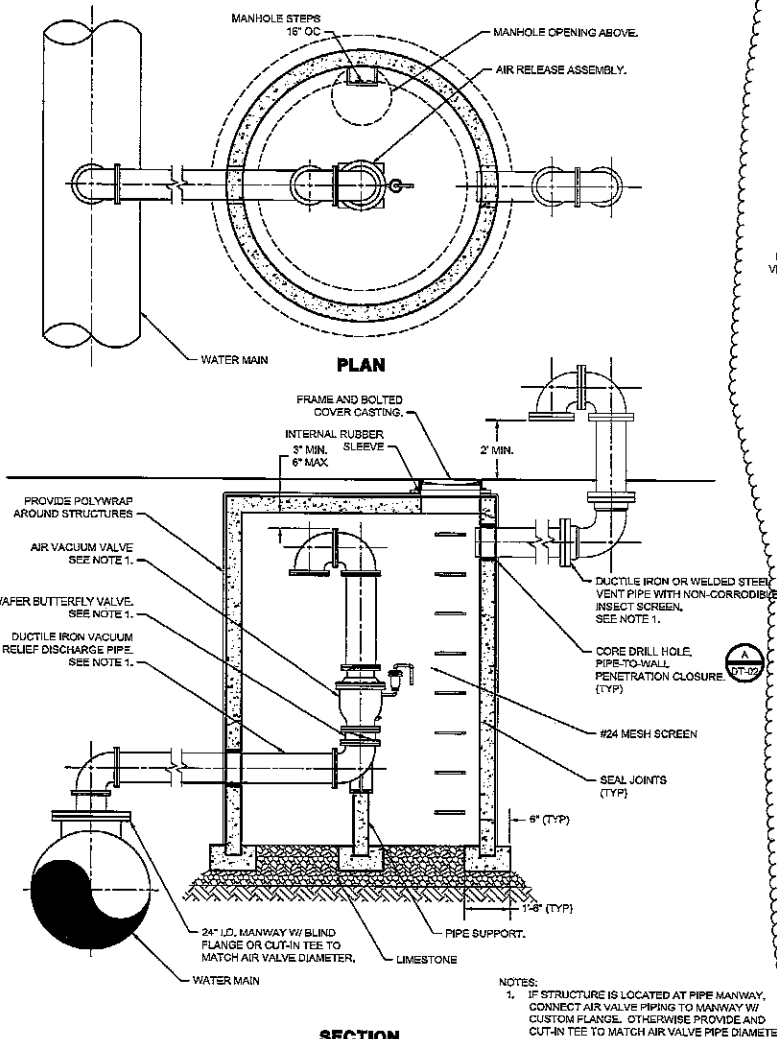
#	Page	On Plans	Minimum Tee Opening	Valve Size	Cover	Style	Comments about Location
<u>Perry to Newman</u>							
1	WM-02	427+00	10"	10"	7'	O.C.	
2	WM-03	441+50	14"	14"	10'	O.C.	
3	WM-05	460+00	14"	14"	12'	O.C.	
4	WM-05	519+55	12"	8" and 8"	7'	O.C. Dual	
5	WM-07	709+00	14"	14" single or	5'	?	In a homeowner's yard. Very little cover.
6	WM-09	2807+40	12"	8" and 8"	6.5'	O.C. Dual	
7	WM-11	2448+00	12"	8" and 8"	6'	O.C. Dual	
8	WM-12	2459+70	12"	8" and 8"	6'	O.C. Dual	
9	WM-14	2500+80	12"	8" and 8"	6'	O.C. Dual	
<u>Spring Street Phase 3</u>							
1	WM-03	2124+20	10"	10"	8.5'	O.C.	In a farm field
2	WM-04	2208+00	6"	4" and 4"	7'	O.C. Dual	In a farm field
3	WM-05	2222+40	6"	4" and 4"	6.5'	O.C. Dual	
4	WM-08	2448+40	12"	12"	10.5'	O.C.	
5	WM-10	2473+60	10"	8" and 6"	7'	O.C. Dual	
<u>Spring Street Phase 2</u>							
1	WM-03	1155+00	6"	4" and 4"	5.5'	O.C. Dual	gravel shoulder
2	WM-06	1189+05	6"	6"	7.5'	O.C.	gravel shoulder

1. Manhole frame/casting for each structure to be Neenah R-1739 ALM.

2. Air vacuum valves to be either Val-Matic 150 SF Series with attached air release valve (combination type), or APCO Series 1800/1100A (combination type). Each valve to contain discharge pipe with gooseneck instead of protector hood. Air release valve orifice size to be 0.75 inches for all assemblies.

3. Single-valve type structures and dual-valve type structures may be substituted for each other at Contractor's request upon Engineer's approval.

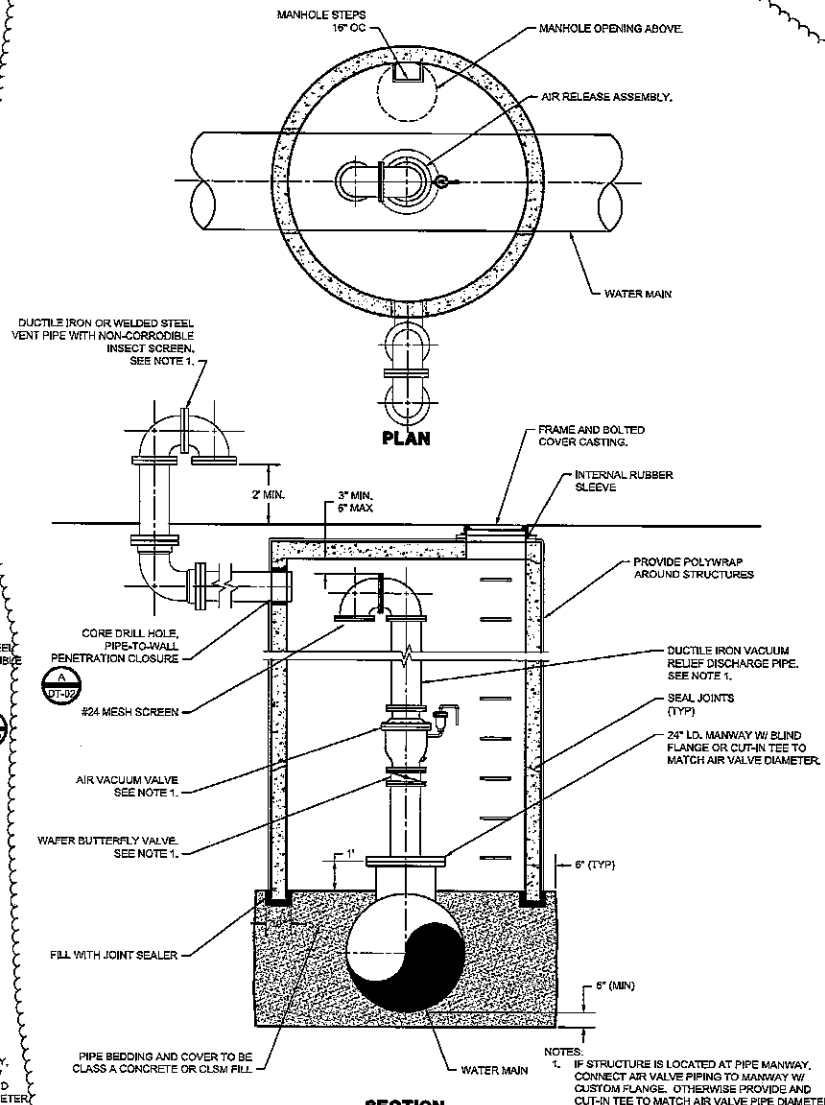
4. Install according to manufacturer's recommendations.



TYPE A COMBINATION AIR VALVE MANHOLE

W10M-AIR VALVE-02 24

NO SCALE



TYPE B COMBINATION AIR VALVE MANHOLE

W10M-AIR VALVE-02 24

NO SCALE

REV. 25, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 24, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 23, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 22, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 21, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 20, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 19, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 18, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 17, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 16, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 15, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 14, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 13, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 12, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 11, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 10, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 9, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 8, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 7, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 6, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 5, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 4, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 3, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 2, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126
REV. 1, 2020 10/20/20 RUCKERT & MIELKE, INC. 8022 E. VALLEY RD. SUITE 100, FORT VALLEY, WI 53126

Ruekert • Mielke
Waukegan • Kenosha • Madison
Global Water Center • Fox Valley
www.ruekertmielke.com

AIR VALVE MANHOLE
RACINE WATER & WASTE WATER UTILITY
RACINE COUNTY, WISCONSIN

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RUCKERT & MIELKE, INC.
DESIGNED BY: AAL
DRAWN BY: GSD
CHECKED BY: JMW
DATE: MARCH 2020
FILE NO.
8022-10030-200

SHEET NO.
DT-01

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